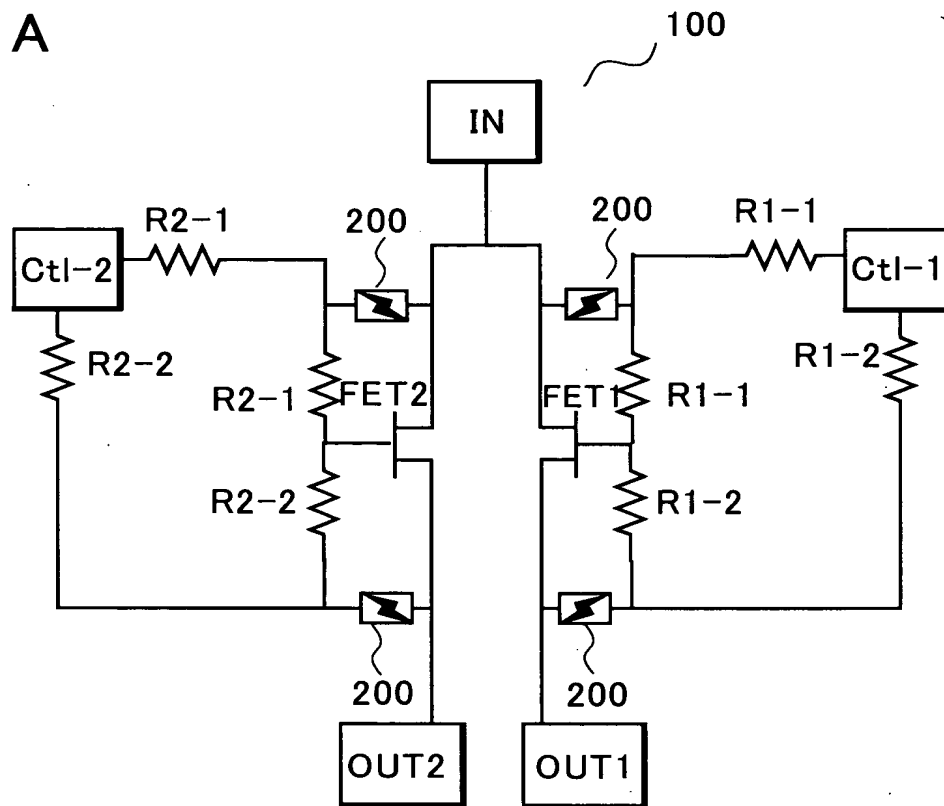
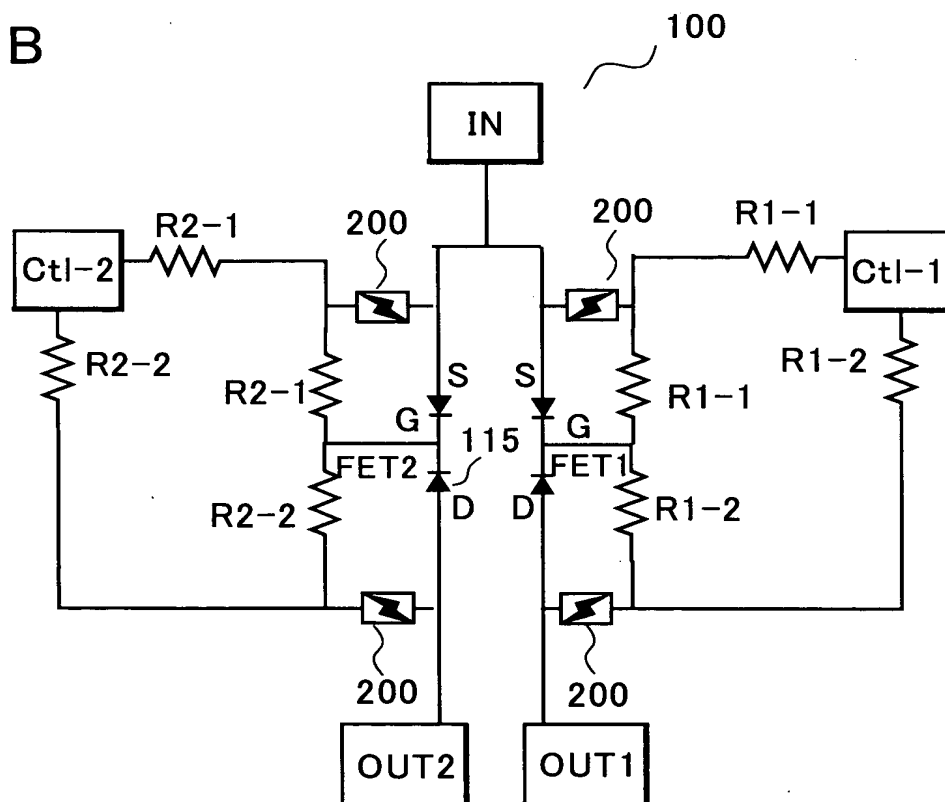


**FIG. 1A**



**FIG. 1 B**



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FIG.2

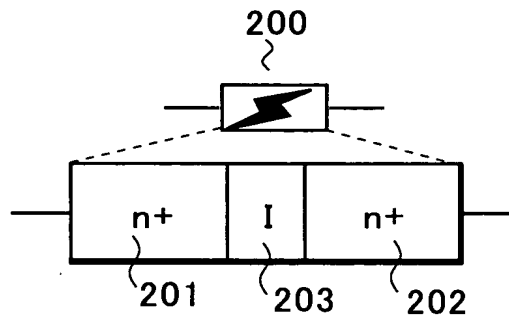


FIG.3A

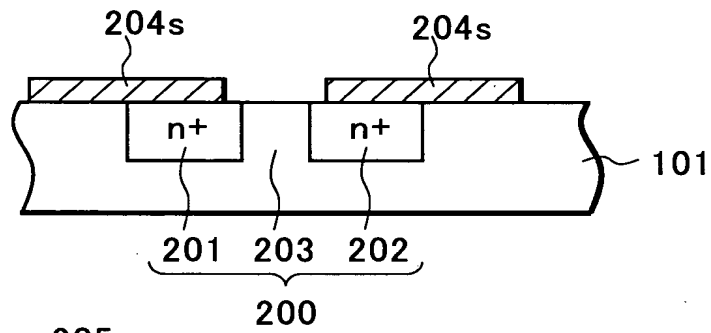


FIG.3B

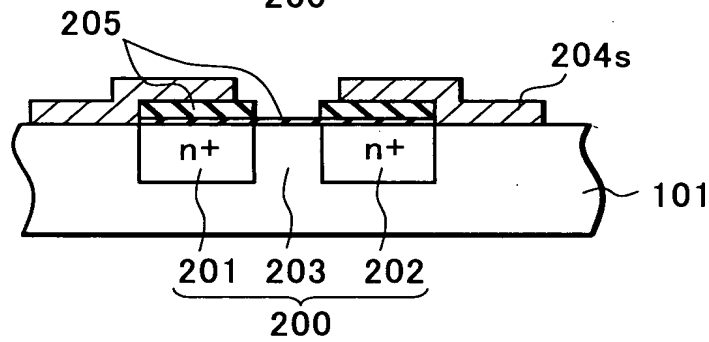


FIG.3C

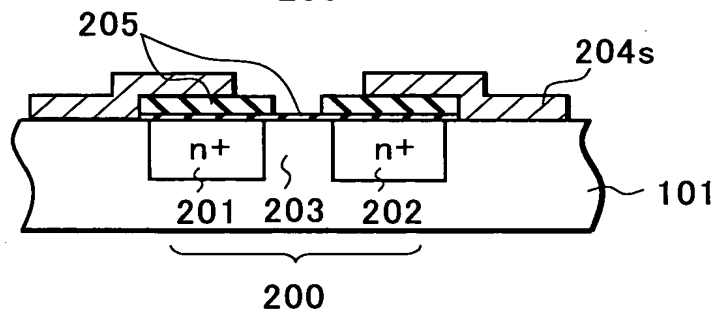
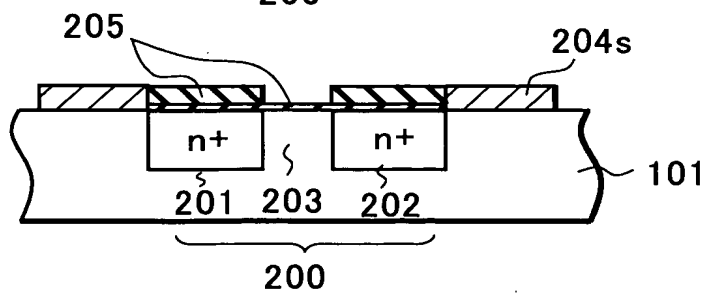


FIG.3D



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FIG.4A

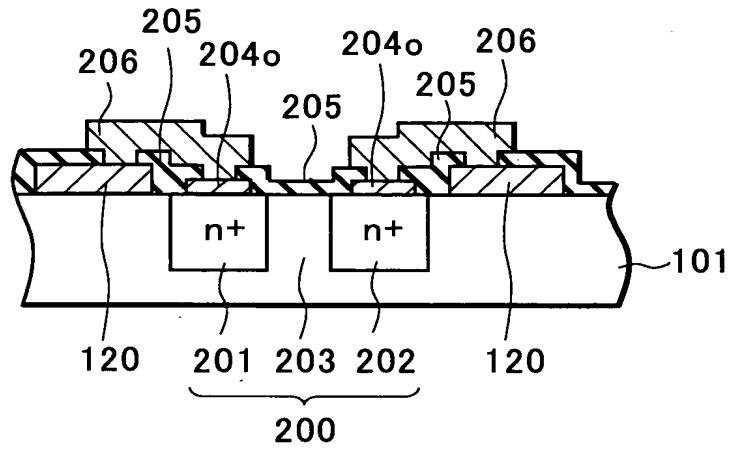
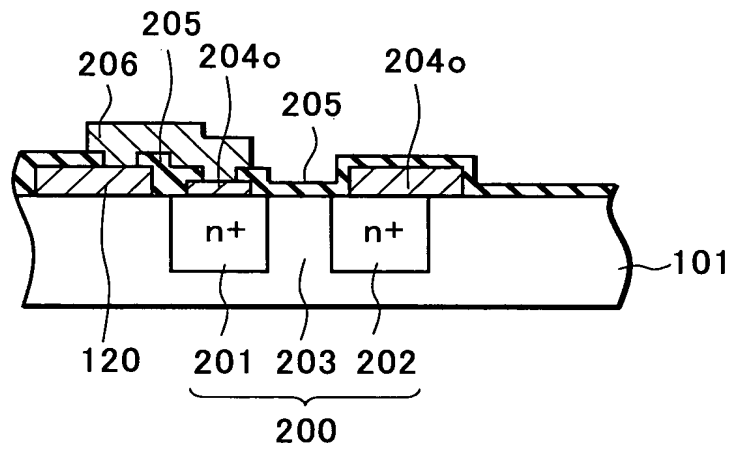


FIG.4B



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FIG.5A

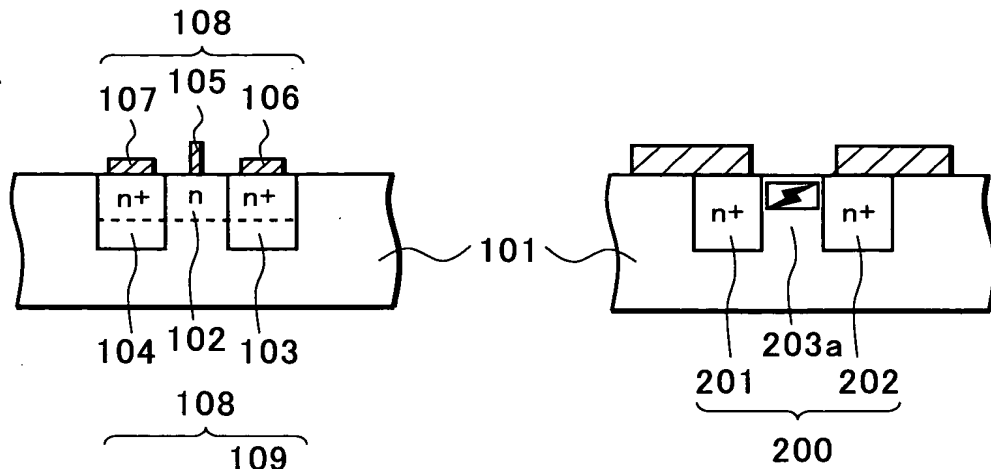


FIG.5B

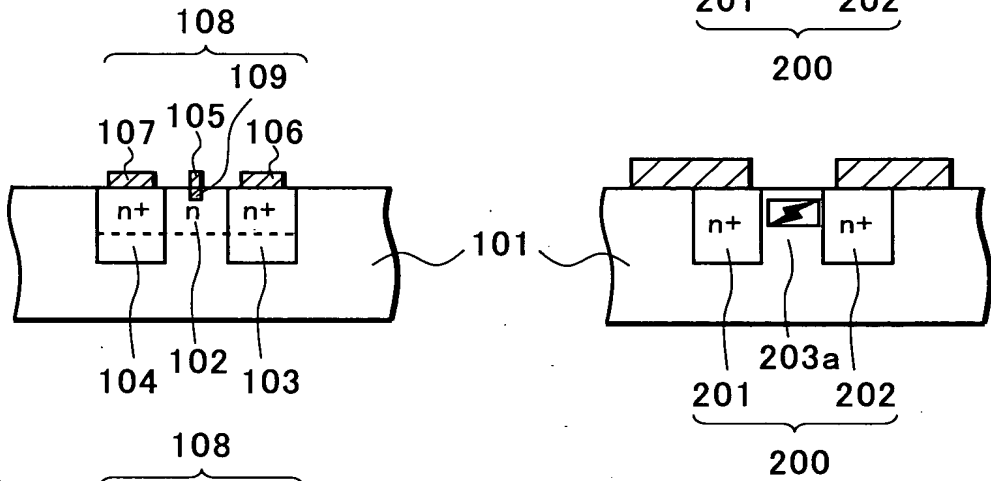


FIG.5C

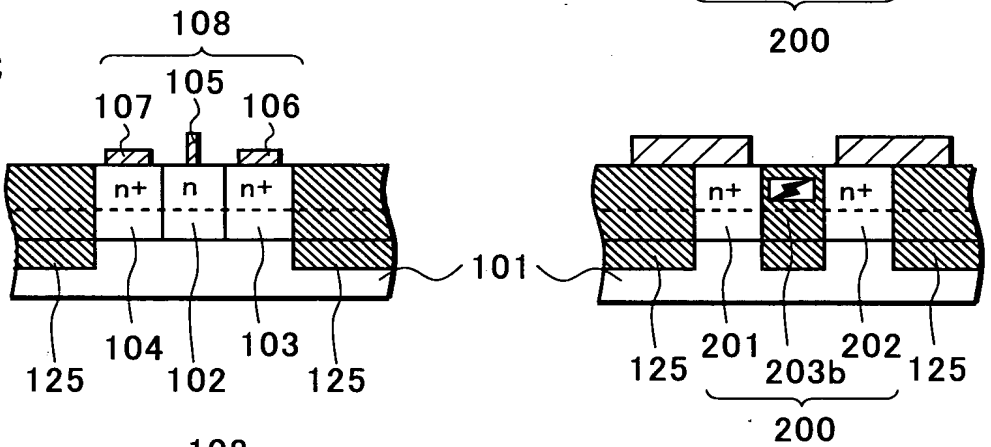
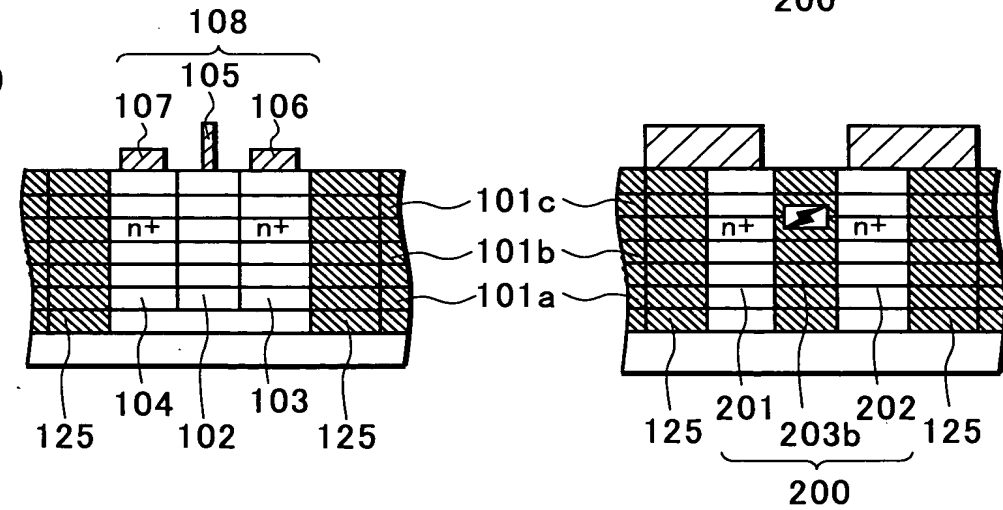


FIG.5D





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FIG.7A

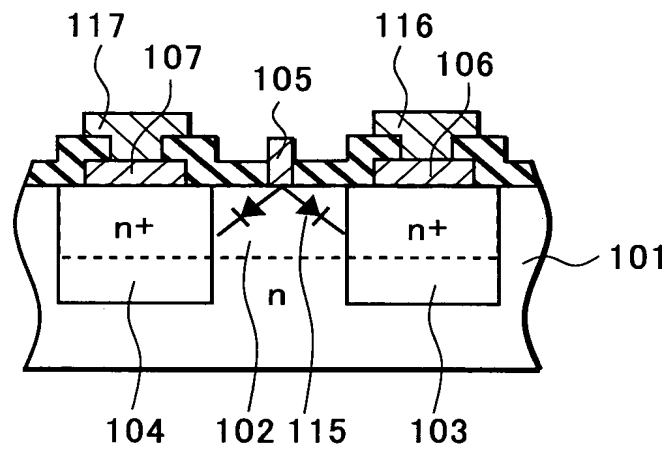
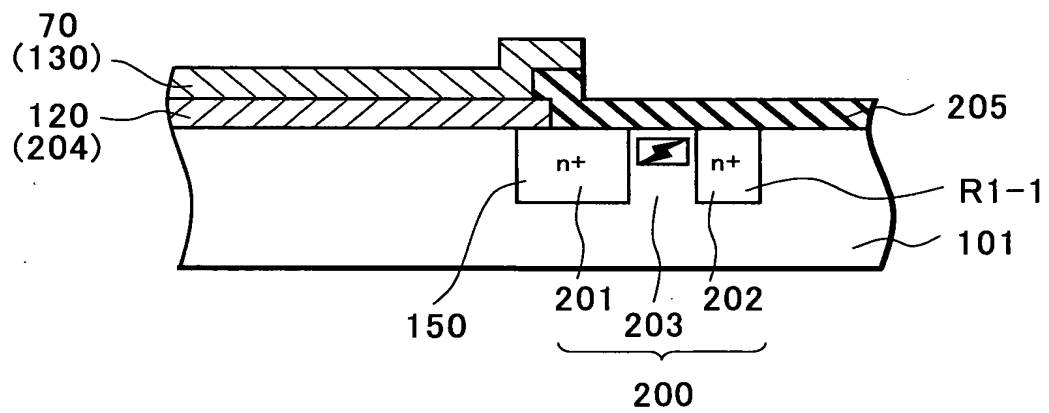


FIG.7B



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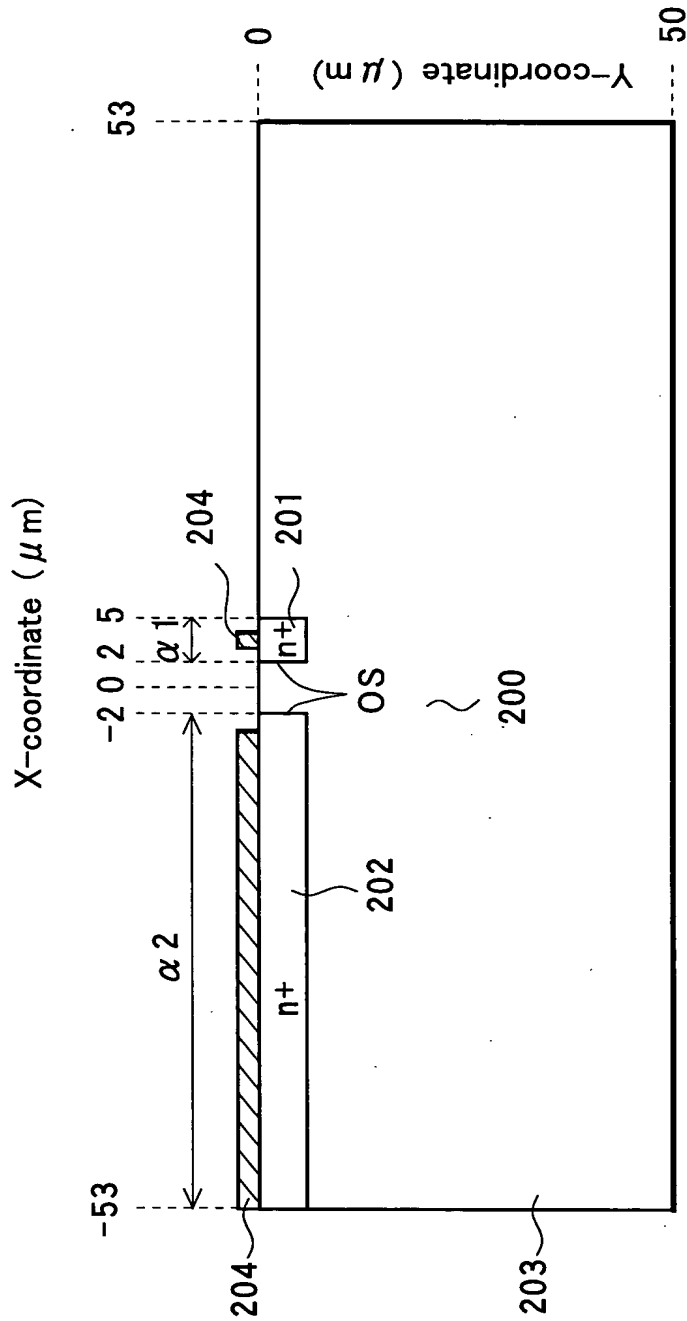
**FIG.8**

Electrostatic withstand voltage  
across respective terminals (unit: V)

IN — Ctl-1	700
IN — Ctl-2	700
OUT1 — Ctl-1	700
OUT2 — Ctl-2	700

**FIG.9**

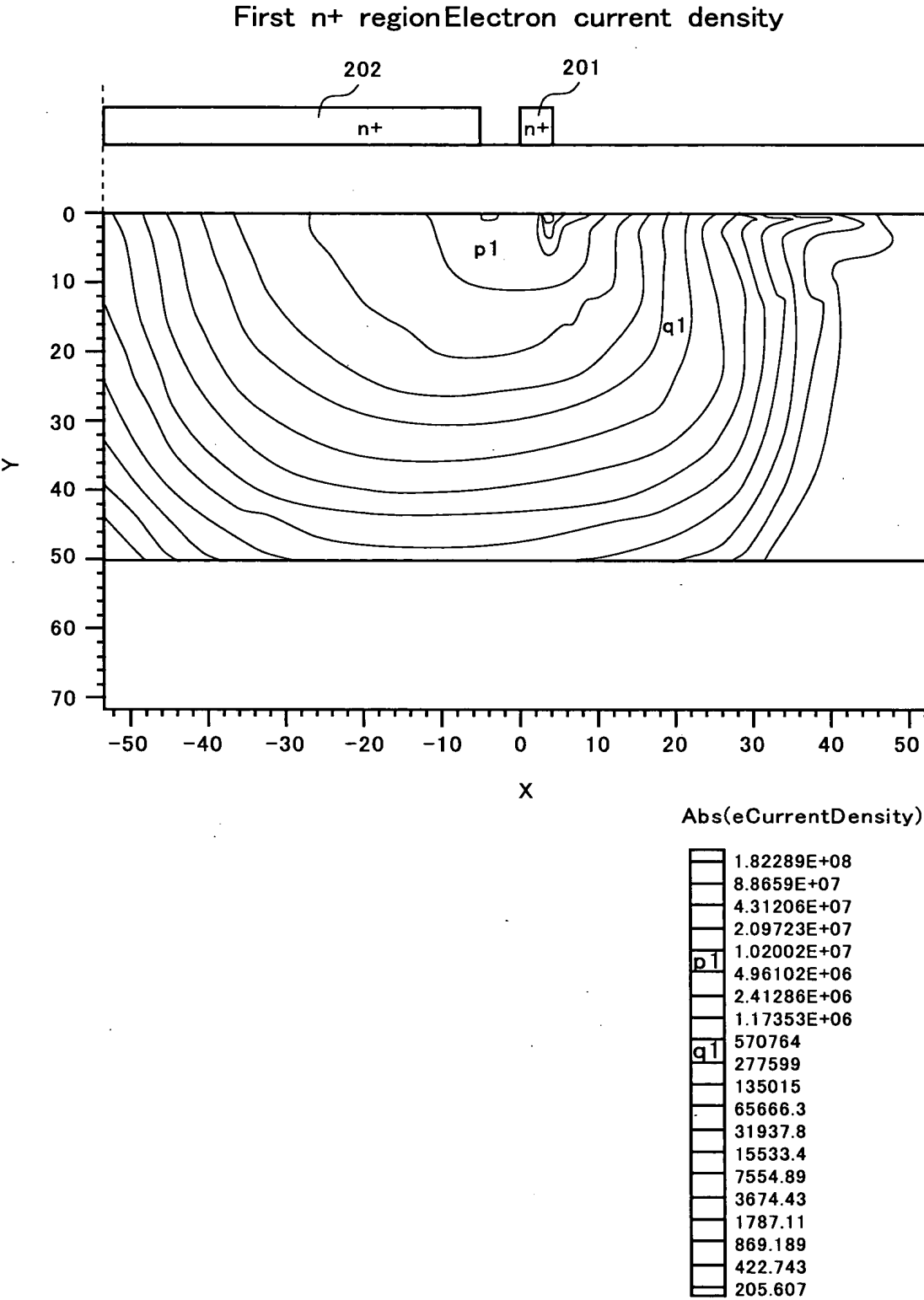
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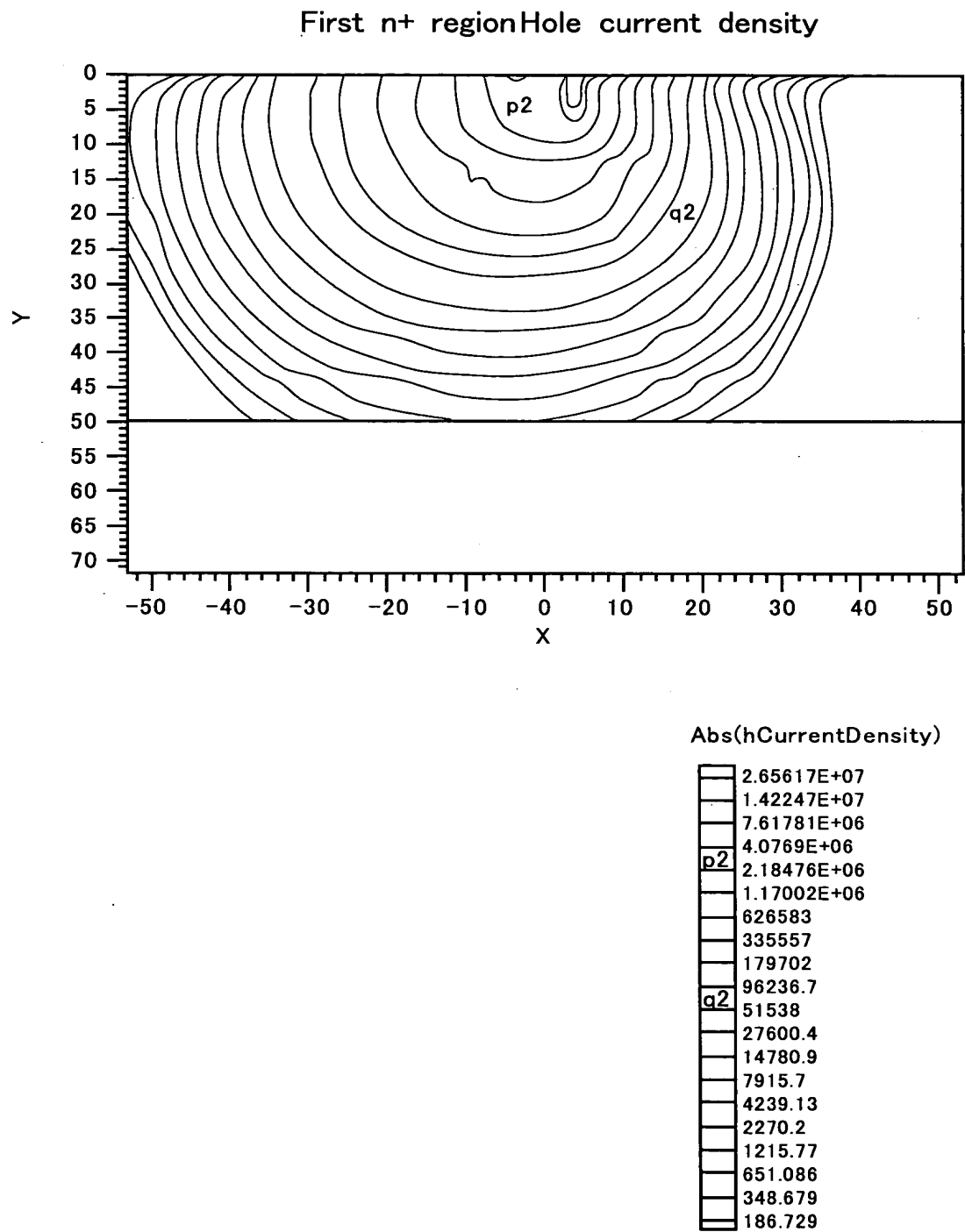
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FIG.10



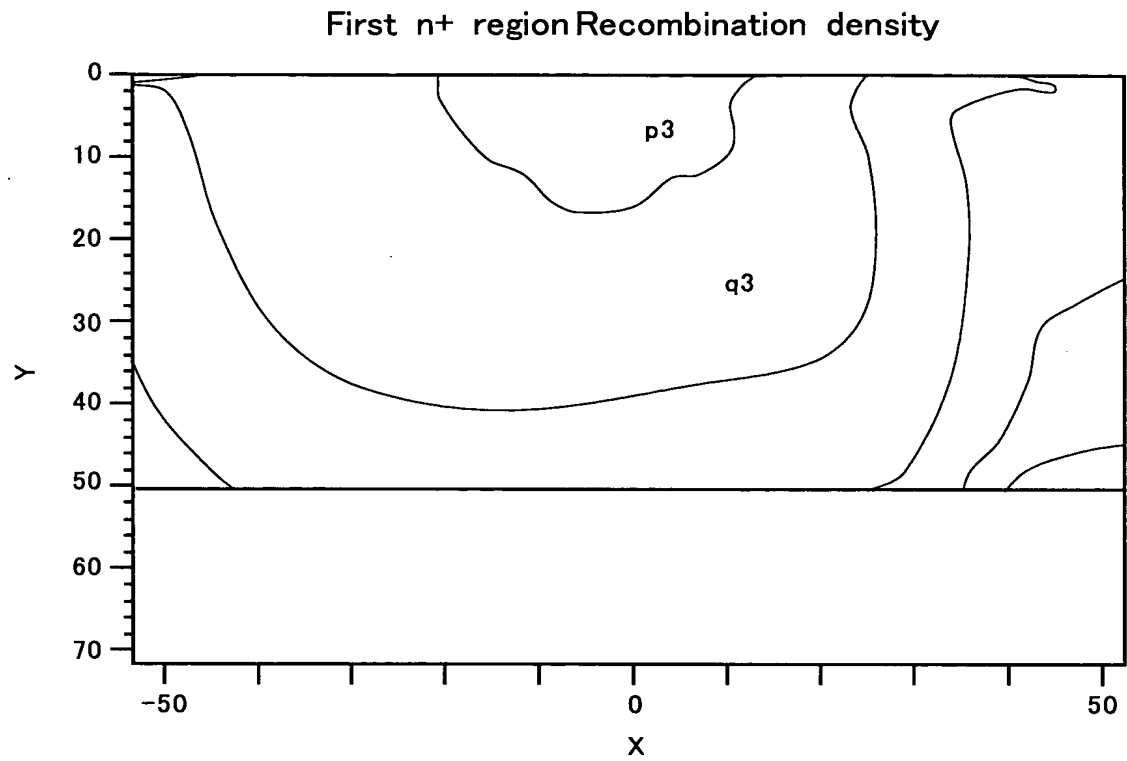
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FIG.11



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FIG.12



srhRecombination

	3.79523E+29
	1.5859E+28
p3	6.62696E+26
q3	2.76919E+25
	1.15715E+24
	4.83536E+22
	2.02054E+21
	8.44316E+19
	3.52812E+18
	1.47428E+17
	6.16055E+15
	2.57429E+14
	1.07571E+13
	4.49504E+11
	1.87833E+10
	7.84892E+08
	3.2798E+07
	1.37052E+06
	57269.6
	2393.11

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FIG.13A

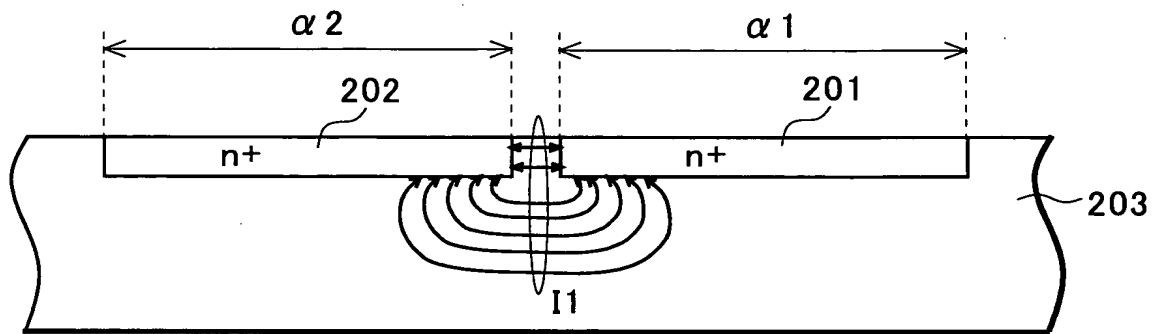
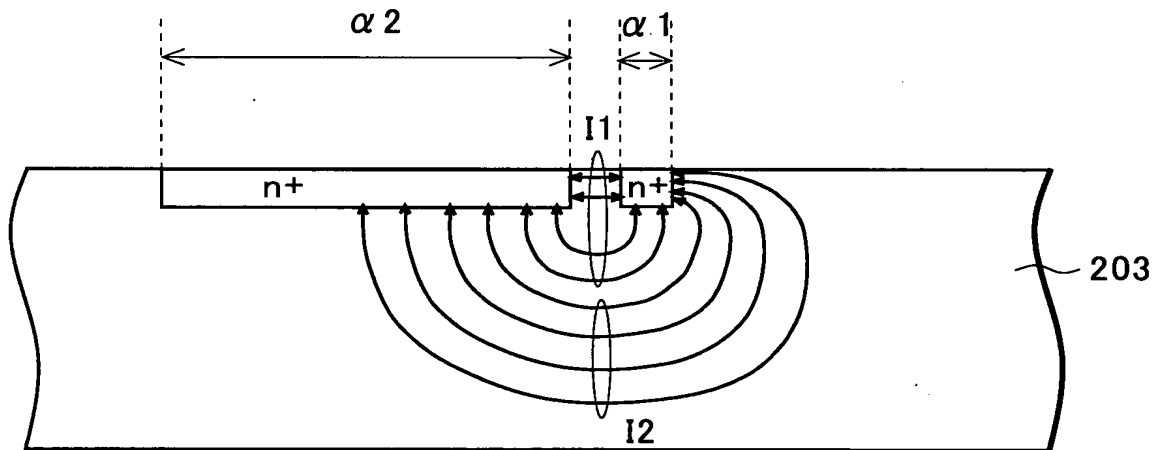
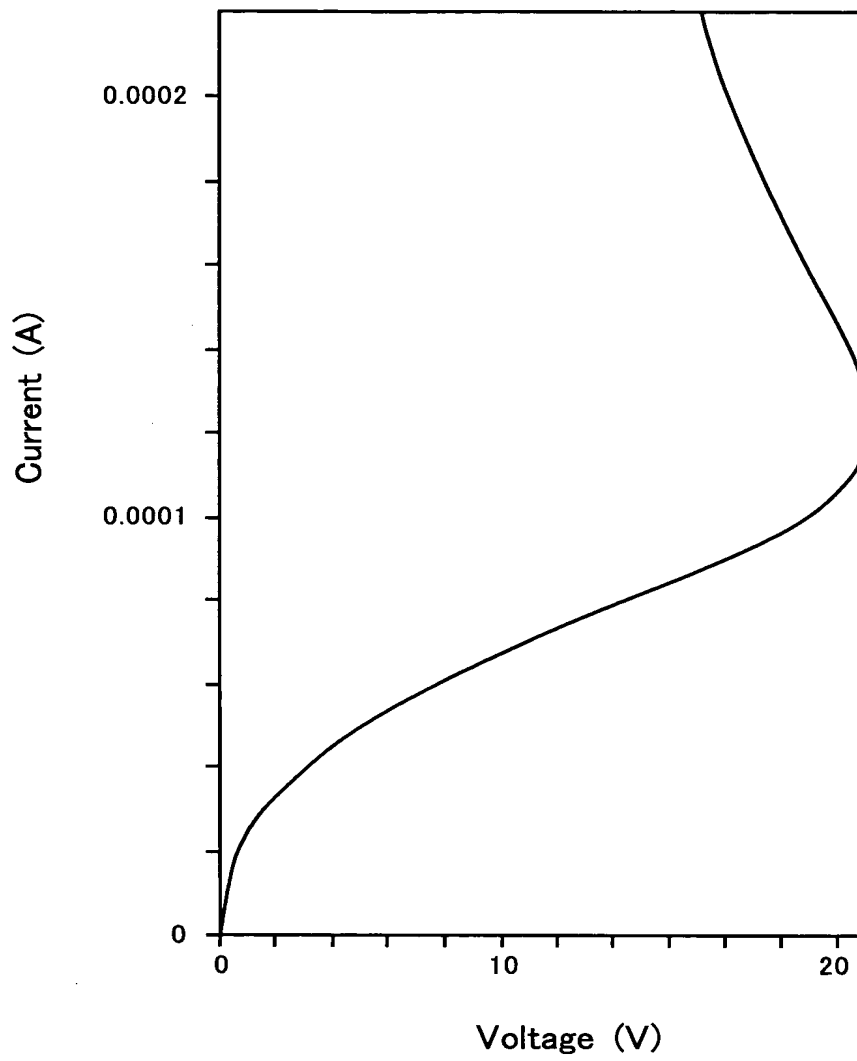


FIG.13B



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FIG.14



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FIG.15

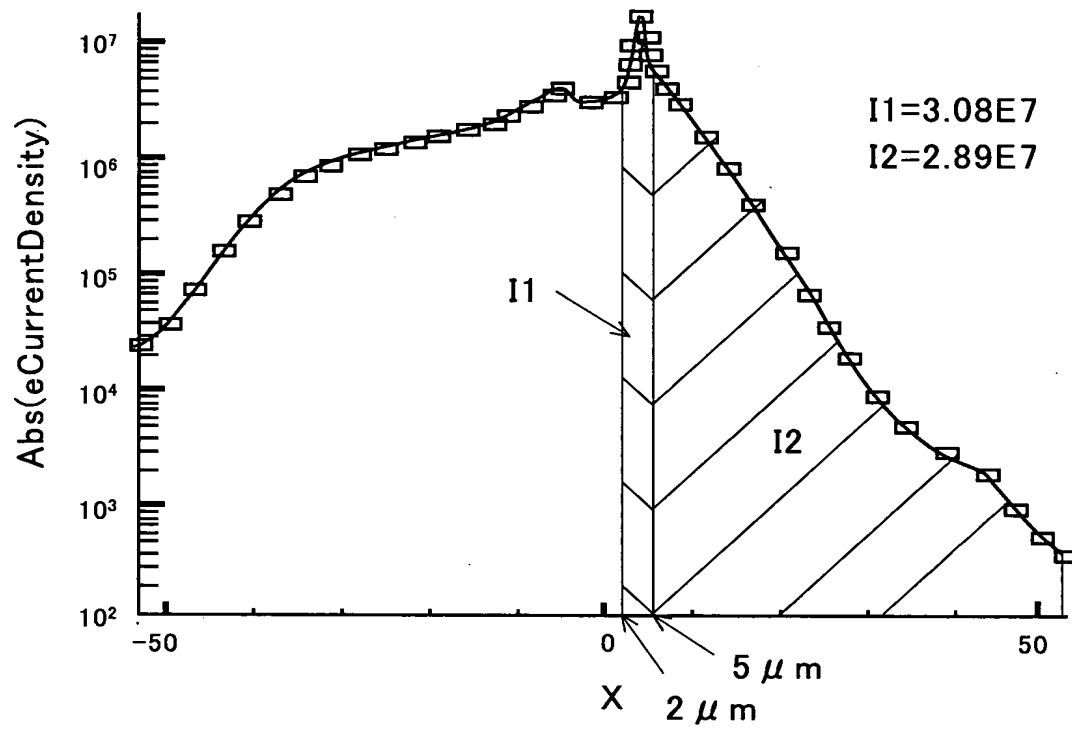


FIG.16A

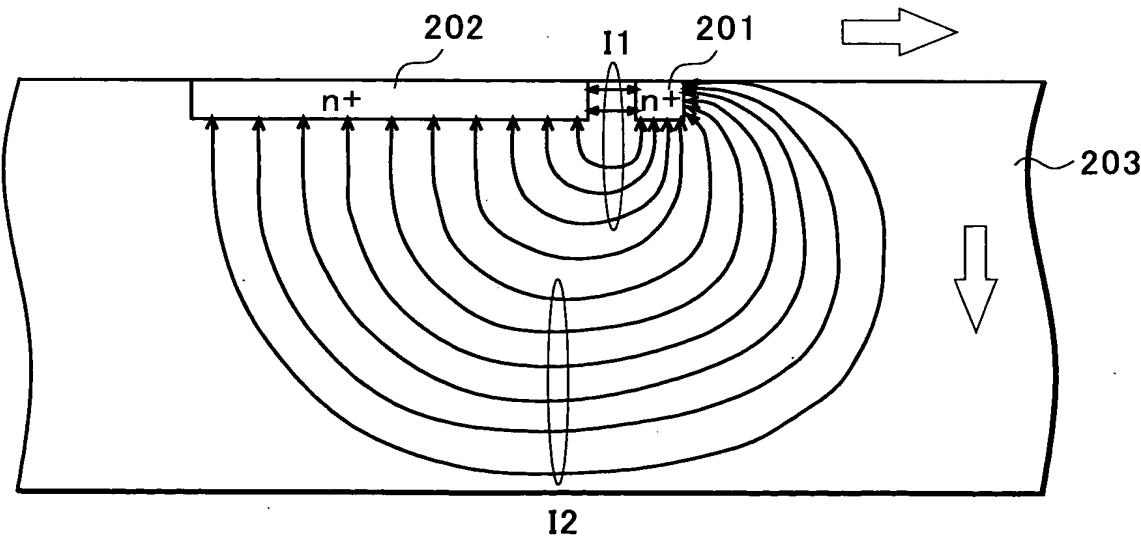
Comparison of spreading of currents and recombination

	a-structure			b-structure-1			b-structure-2		
Electron current density	y__2	x__0	Product	y__2	x__0	Product	y__2	x__0	Product
	21.9	10.5	230.0	26	15	390.0	23.8	11.3	268.9
Hole current density	y__2	x__0		y__2	x__0		y__2	x__0	
	13.7	6	82.2	23.9	12.5	298.8	12.7	7.4	94.0
Recombination density	y__2	x__0		y__2	x__0		y__2	x__0	
	29.7	14.8	439.6	33.1	20	662.0	33.9	15.5	525.5

FIG.16B

b-structure-3		
y__2	x__0	Product
69	36.1	2490.9
y__2	x__0	
47.9	29.1	1393.9
y__2	x__0	
80 or more	43.9	3512 or more

FIG.16C



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FIG. 17

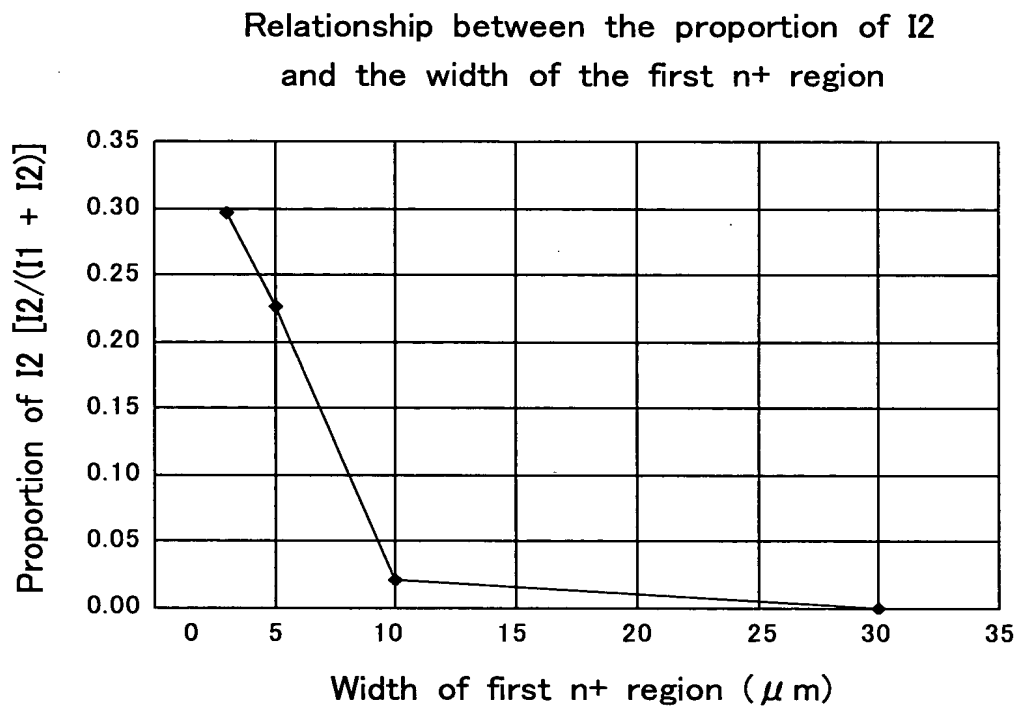




FIG.18A

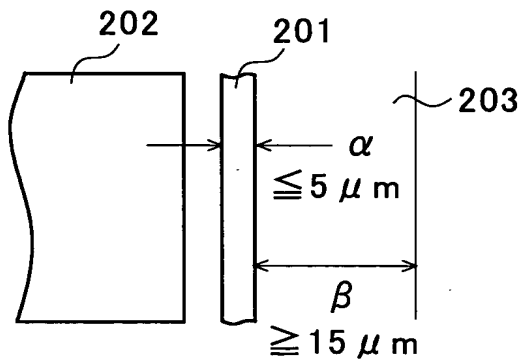
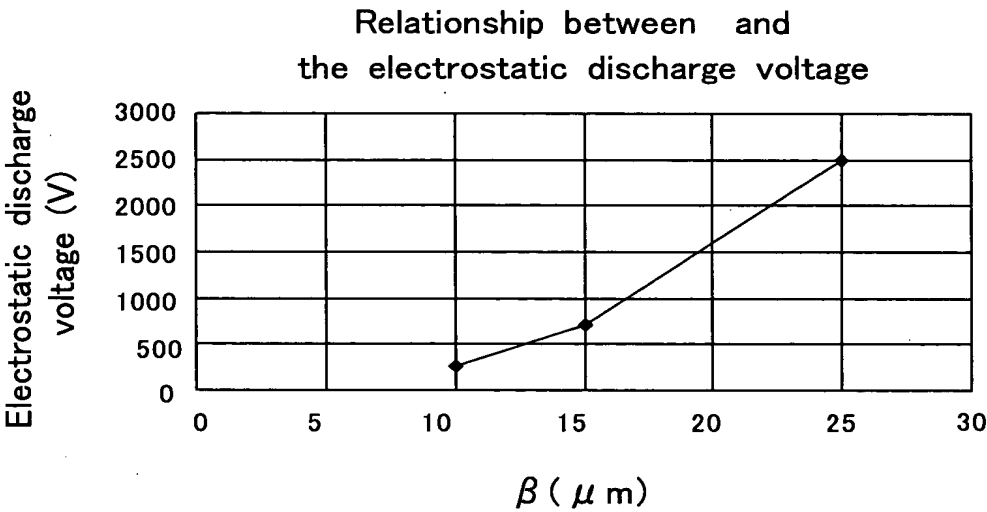


FIG.18B



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FIG.19A

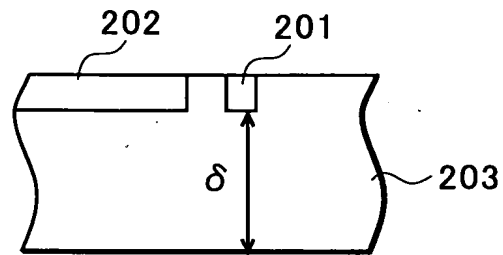
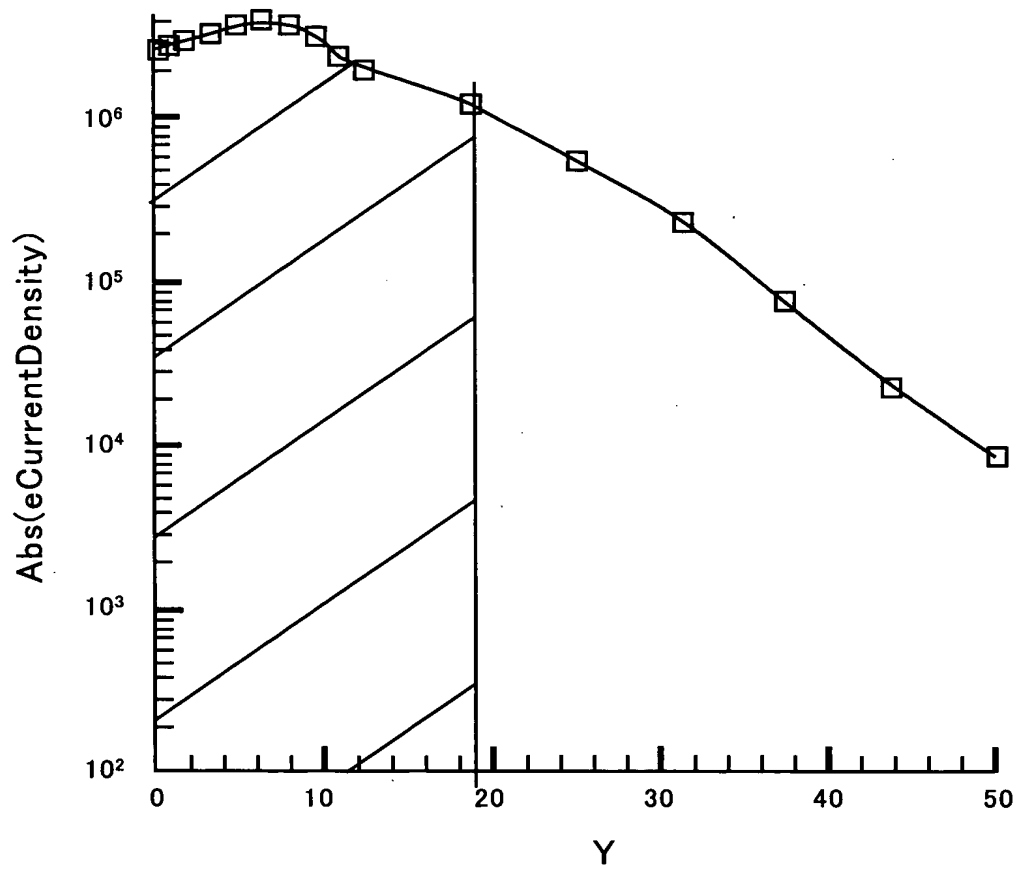


FIG.19B



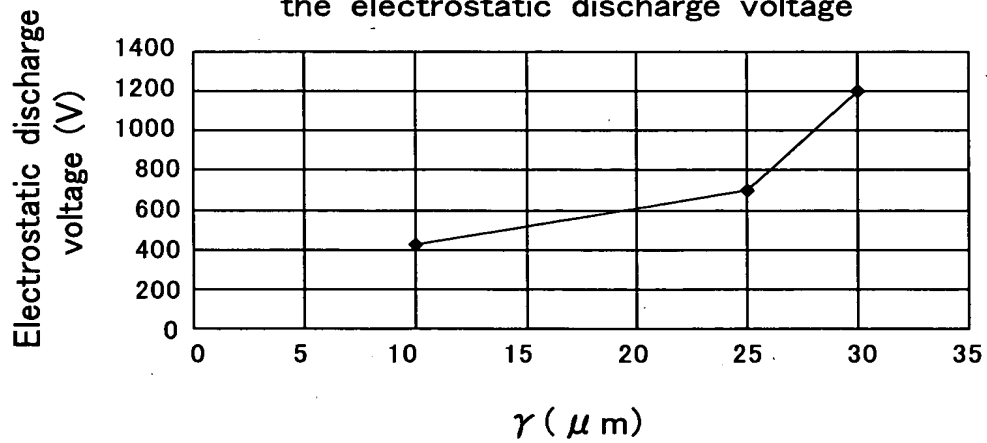
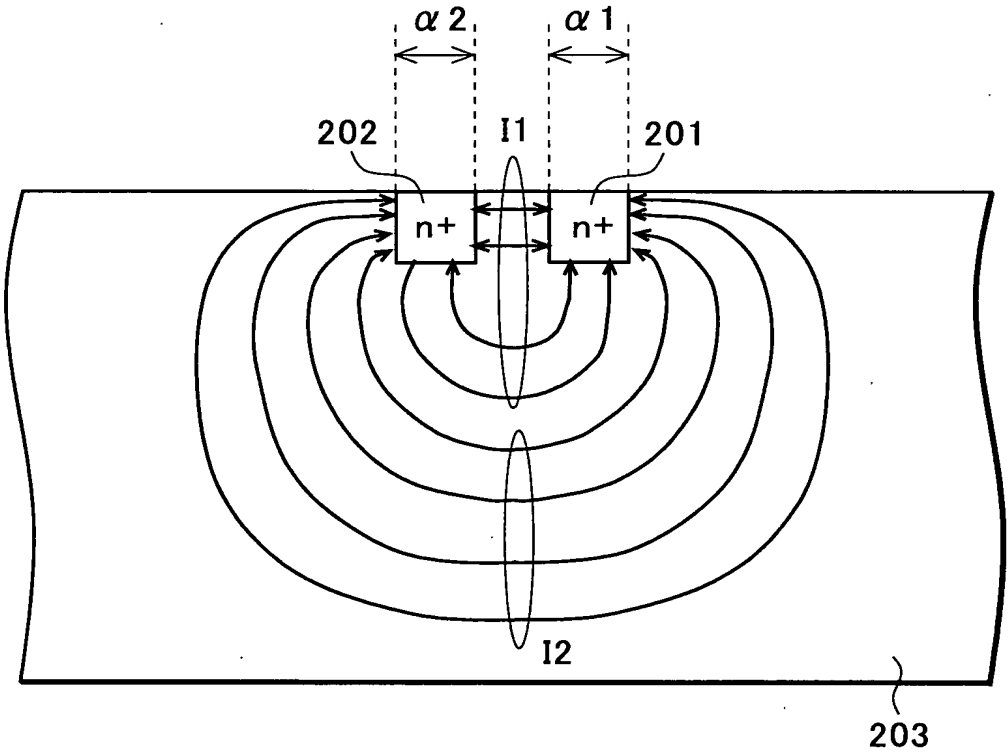


FIG.21



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FIG.22

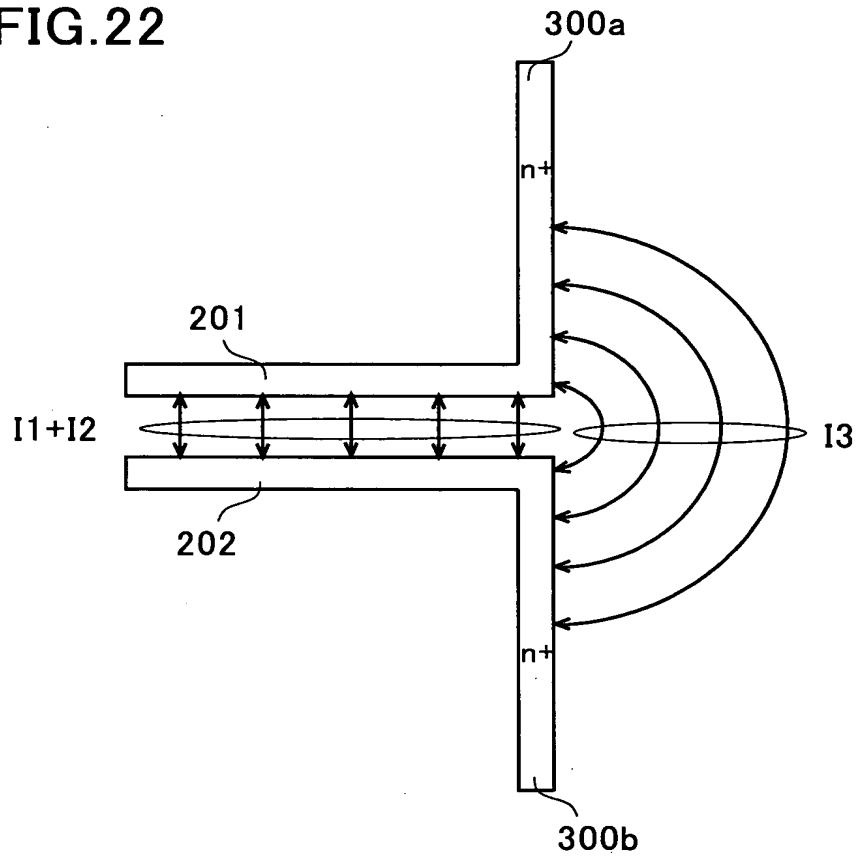


FIG.23

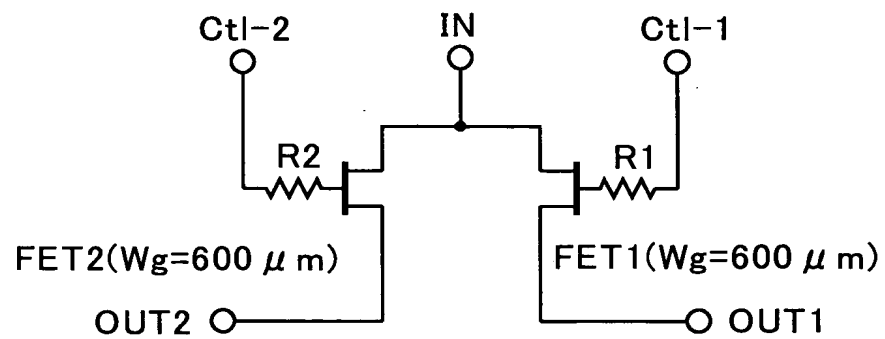


FIG.24

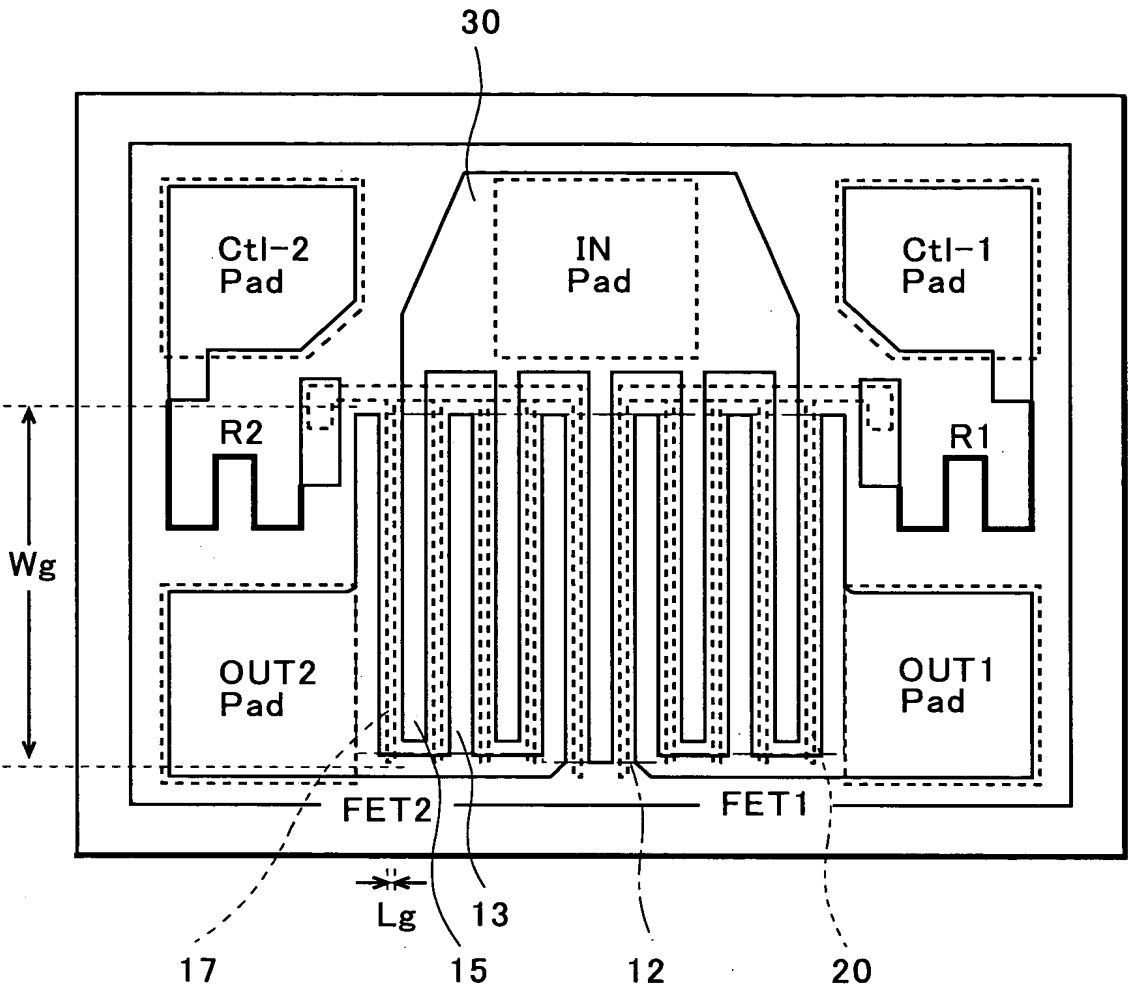


FIG.25

Electrostatic withstand voltage  
across respective terminals (unit: V)

IN - Ctl-1	140
IN - Ctl-2	140
OUT1 - Ctl-1	500
OUT2 - Ctl-2	450